

SUBSTITUTE SPECIFICATION

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ABSTRACT OF THE DISCLOSURE

Codec circuit having a programmable digital bandpass filter. A  
codec circuit having a programmable digital bandpass filter is disclosed.  
The bandpass filter can match the filter characteristics of the codec circuit  
5 to a transmitted pulse code modulation (PCM) signal. The codec circuit  
can include at least one programmable digital high-pass filter connected in  
series to at least one programmable digital low-pass filter. The setting filter  
characteristics for the programmable digital high-pass and low-pass filters  
can each be set by means of a signal identification device for identifying<sup>a</sup>  
10 PCM signal transmitted through the codec circuit. The filters can be set as  
a function of the transmitted PCM signal in order to vary a bandpass filter  
characteristic for the programmable digital bandpass filter.